



Comprehensive security system

Schwarzwald-Baar Hospital puts its trust in primion's Security Command Centre application psm2200

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for new hospital in Villingen-Schwenningen

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primion Technology GmbH has installed a comprehensive security system with the latest application options in the newly built Schwarzwald-Baar Hospital in Villingen-Schwenningen in south west Germany. The various elements that make up the system, e.g. fire detection and voice alarm system provide optimum protection, 24/7. psm2200 provides the platform that gives the hospital a complete overview and visualisation of their system.

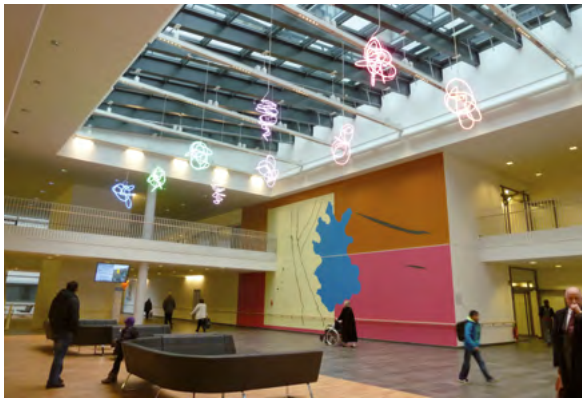
The doctors and nursing staff can concentrate on what they have to do. Technical and commercial staff can monitor the complete system at any time. And patients have the reassurance that they are well protected. The best conditions for a speedy recovery!

A total of 263 million Euros were invested in the construction project. And a part of that went on the comprehensive security system from primion Technology

GmbH. In the period from September 2010 to July 2013, various hospital-specific systems were installed that are vital for the smooth running of the establishment. The different applications such as intrusion detection, intercom or the official indoor radio communications system for the fire service, all come together in primion's Security Command Centre application psm2200. The system status is monitored on large video screens.

If the elevator gets stuck and the emergency button is pressed, this is shown in psm2200. A pop-up window with detailed instructions appears so that a rapid response team can be deployed. If a fire breaks out, the fire detection system controls the appropriate steps through psm2200. The in-house first responders and technical staff are notified and a so-called "silent alarm" is sent to the affected wards. The reception desk at the hospital that is staffed around the clock receives all relevant and important information in the case of fire.





263 million Euros have been invested in the architecturally attractive, newly built Schwarzwald Baar Hospital in Villingen-Schwenningen. It was opened in the summer of 2013.

Photos: Roland Sprich

Additionally, third party applications such as the sprinkler system and building management technology from Siemens are all integrated into psm2200. Critical information such as messages from the fire detection system are additionally sent over redundant transmission routes to the alarm server by psm2200.

Also the everyday applications, which however are critical for the hospital, were also installed by primion. The nurse light call units for example, that show the nursing staff where help is needed. Or the baby-guard system that establishes a unique assignment of newborns to their mothers through electronic armbands and is designed to protect them against possible kidnapping attempts.

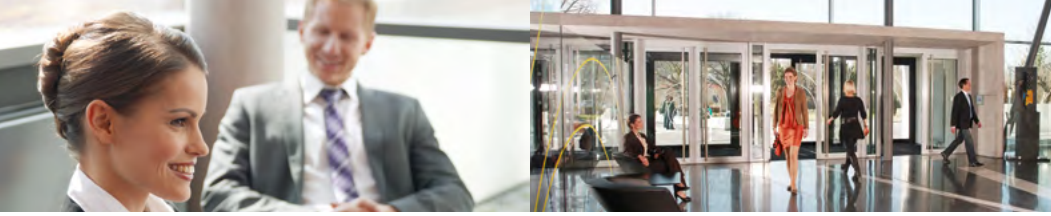
The master clock system was also installed by primion. It ensures that the 90 or so clocks around the hospital are always controlled through receivers, ensuring atomic clock accuracy whether in the delivery rooms, trauma room or in the intensive care unit. primion also installed the intercom system outside the hospital, with integrated cameras. That the patients could receive radio and television channels through Astra and Eutelsat or from Austria and Switzerland in the comfort of their hospital beds was also taken care of by primion. The television reception system was designed for a later upgrade to HD.

The Schwarzwald-Baar Hospital is the most modern in the region and is a teaching hospital from the University of Freiburg. It is numbered amongst the ten largest non-university hospitals in Baden-Württemberg and the eighty largest hospitals in Germany. With twenty-five specialist departments and two in-patient departments, many of them at university medical level, the hospital offers a range of services

to cover most medical eventualities. It also has its own child daycare centre, a midwifery school, a special school for paediatric care and a nursing school. The hospital is recognised by the state as a training centre and offers a range of qualification courses.

The opening of the architecturally attractive new-build in the summer of 2013 was the final and most important milestone in a comprehensive reform of hospital care services in the Schwarzwald-Baar region. The working area of the new hospital covers some 46,000 m². It has over 750 beds and a wealth of specialist equipment, for example a ground-breaking x-ray diagnostics system or the world's most up-to-date cardiac catheter laboratory. Along the surgical centre on the ground floor has 15 operating theatres. Annually, up to 40,000 emergency patients can receive medical care in the ED, one of the largest and most modern in Baden-Württemberg.

The contract to supply and install the highly complex Hazard Management System in the Schwarzwald-Baar Hospital was won following a public tender. This was a true challenge for the primion team but one that they were well able to master thanks to their years of experience, a highly integrable product portfolio, not to mention their flexible and customer-centric approach to time management and the above-average commitment given to the completion of the project.



Time & Security Division

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